

Attachment 9. Past Performance

Prior to 2001, the District pumped only a limited quantity of groundwater from its Corporation Yard Well. Since 2001, the District has successfully funded and executed eight groundwater related projects requiring more than \$10.5 M in funding. These projects were associated with the District's Well Utilization Project which has resulted in 4 million gallons per day (MGD) of new source capacity in the District's service area from two groundwater wells. These projects have involved subsurface exploration, feasibility analysis, construction and development of multiple monitoring and production wells, construction of a blending facility and associated pipelines from wells, development of a Groundwater Management Plan, participation in DWR's CASGEM program, participation in the development of an IRWMP Update for East Contra Costa County, and preparation of an Environmental Impact Report to evaluate the feasibility of expanding its conjunctive use and avoiding adverse impacts to local and regional groundwater resources. A summary of projects closely related to work proposed in this grant application are listed below:

- In 2001/2002, the District successfully funded, secured the right-of-way, designed and constructed the \$57,000 Glen Park Monitoring Well. This monitoring well is still being used today in the District's ground water monitoring program and the CASGEM program.
- In 2003, the District successfully funded, secured right-of-way, designed and constructed the \$47,000 Creekside Park Monitoring Well. This monitoring well is still being used today as a part of the District's ground water monitoring program and CASGEM program.
- In 2004 the District successfully funded, secured right-of-way, designed and constructed the \$250,000, 2-MGD Glen Park test well. The well was performance tested for 7 days to verify assumptions regarding pumping impacts prior to constructing the Glen Park Well Pump Station.
- In 2006, the District completed the first phase of its Well Utilization Project. This \$7,000,000 project was completed on time and on budget. It included the 2-MGD capacity Glen Park Well Pump Station, a blending facility at the Randall-Bold water treatment facility to blend the well water with surface water, and approximately two miles of 18-inch water main connecting the Glen Park Well to the Blending facility.
- In 2007, the District successfully funded, secured right-of-way, designed and constructed the \$60,000 Stonecreek Monitoring Well. This monitoring well is

being used as a part of the District's ground water monitoring program and the CASGEM program.

- From 2007 to 2012, the District doubled its groundwater production capacity with the development of a second production well at the District's Stonecreek site. The project was completed ahead of schedule and within its \$3,000,000 budget, \$700,000 of which was funded with a Proposition 50 Integrated Regional Water Management Implementation Grant (IRWM Grant) with the State Water Resources Control Board.

The District's General Manager and Chief Engineer, Michael Yeraka P.E., has been responsible for managing each of these projects, and will manage this LGA grant. The District's Stonecreek Production Well project, funded in part with a Proposition 50 IRWM Grant (Water Board Agreement No. 07-505-550-0 Component 2, July 1, 2007), provides a recent example of Mr. Yeraka's and the District's ability to plan and execute a large grant funded project in accordance with a specified schedule and budget. Details of this project are presented below as being most representative and relevant to the work proposed in this grant application.

The Stonecreek Production Well project was Phase 2 of a three-phase project by the District to implement conjunctive use in its service area. Phase 1 consisted of the activities associated with the production well and pump station at the Glen Park site referenced above. The Phase 2 objective was to develop a second 2-MGD groundwater well at the District's Stonecreek Site located approximately one-quarter mile to the north-east of the Glen Park Well. The new groundwater wells were intended and have been successful in reducing reliance on surface water, which was the sole source of supply for the District prior to implementation of these projects. The wells enable the District to offset its Delta surface water purchases from Contra Costa Water District (CCWD) and provide backup supply in the event of a drought.

The IRWM Grant Agreement, which provided partial funding for the Stonecreek project, required that Component 2 be completed by March 31, 2012. DWD placed the project into operation in June of 2011, with a final project inspection conducted by the Water Board Grant Manager on November 28, 2011. Final invoicing to the Water Board for grant funds occurred in January, 2012, and the attached Draft Component Report was submitted in March 2012. The project was completed within its \$3,000,000 budget of which, \$700,000 was from the IRWM Grant.

The tasks performed or managed by the District on the Stonecreek project are summarized below and a detailed overview is appended to this attachment (**Appendix 9-1**):

Diablo Water District
Expansion and Enhancement of Groundwater Monitoring Facilities and Data Collection

NO	TASK	COMPLETION DATE
1	Work Plan & Budget that was included in the IRWM Grant Agreement	June-07
2	Secure right of way for new well and pump station	January-08
3	Manage Project EIR	December-08
4	Submit project reports to Grant Manager	Quarterly
5	Manage Design of Stonecreek Well	July-09
6	Manage construction of Stonecreek well	April-10
7	Manage bond financing for District portion of project funds	April-10
8	Manage Design of Stonecreek pipeline	March-10
9	Submit project invoices to Grant Manager	Quarterly
10	Department of Fish and Game Stream Bed Alteration Permit for Creek Crossing	June-10
11	County Flood Control Permit to install waterline in creek right of way	June-10
12	Manage construction of Stonecreek pipeline	November-10
13	Manage design of Stonecreek Well pump station	May-10
14	Secure PG&E Electrical service to Stonecreek pump station	January-11
15	Manage construction of Stonecreek Well pump station	June-11
16	Final inspection with Grant Manager	November-11
17	Deliver As Built Drawings to Grant Manager	November-11
18	Submit Draft component report to Grant Manager	March-12